## Placas de fase espiral (SPP)

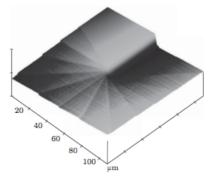


Fig. 2. AFM image of the spiral phase plate near to its central region.

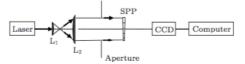


Fig. 3. Experimental setup for evaluating the spiral phase plate to generate optical vortex.

Generation of Optical Vortex Using a Spiral Phase Plate Fabricated in Quartz by Direct Laser Writing and Inductively Coupled Plasma Etching

CHEN Jun(陈君)<sup>1,2</sup>, KUANG Deng-Feng(匡登鋒)<sup>1\*\*</sup>, GUI Min(桂敏)<sup>1</sup>, FANG Zhi-Liang(方志良)<sup>1</sup>

<sup>1</sup>The Key Laboratory of Opto-electronic Information Science and Technology, Institute of Modern Optics (Ministry of Education), Nankai University, Tianjin 300071

<sup>2</sup>Department of Physics, Taishan University, Tai'an 271021